Claim Amendments:

This listing of claims will replace all prior versions, and listings, of claims in the application:

- 1. (Currently Amended) A superconducting article, comprising: a substrate:
- a plurality of superconductor strips overlying the substrate and extending along a

 longitudinal direction, the superconductor strips comprising first and second superconductor strips adjacent extending parallel to each other and being spaced apart from each other by a gap extending perpendicular to the longitudinal direction; and
- at least one conductive bridge electrically coupling at least the first and second conductive superconductor strips with each other and spanning the gap, wherein the substrate has a dimension ratio of not less than about 10.

2. (Canceled)

- 3. (Original) The superconducting article of claim 1, wherein the superconductor strips are spaced apart from each other by an average gap width of at least 1µm.
- 4. (Original) The superconducting article of claim 3, wherein said average gap width is not less than about 5 μ m.
- 5. (Original) The superconducting article of claim 3, wherein the superconductor strips are spaced apart from each other by a substantially constant gap.
- 6. (Original) The superconducting article of claim 1, wherein the first and the second superconductor strips have an average width of at least 5 μ m.
- 7. (Original) The superconducting article of claim 5, wherein the first and second superconductor strips have substantially the same width.

- 8. (Original) The superconducting article of claim 1, wherein the conductive strips are generally co-planar with each other, forming a superconductor layer.
- 9. (Original) The superconducting article of claim 8, wherein the superconductor layer is formed by deposition to overlie the substrate.
- 10. (Original) The superconducting article of claim 8, wherein the superconductor layer is subjected photolithographic processing to form the superconductive strips.
- 11. (Original) The superconducting article of claim 10, wherein the photolithographic processing is effective to remove portions of the superconductor layer, leaving behind the superconductor strips.
- 12. (Original) The superconducting article of claim 1, wherein the at least one conductive bridge comprises a plurality of conductive bridges, comprised of superconductor material.
- 13. (Original) The superconducting article of claim 12, wherein the superconductive strips and plurality of conductive bridges substantially coplanar, formed from a patterned layer of superconductive material.
- 14. (Original) The superconducting article of claim 12, wherein the conductive bridges are spaced apart generally periodically along a length of the substrate.
- 15. (Original) The superconducting article of claim 1, wherein the article comprises a minimum of one bridge per 100m of substrate.
- 16. (Original) The superconducting article of claim 1, wherein article comprises at least one bridge per 50m of substrate.
- 17. (Original) The superconducting article of claim 1, wherein article comprises at least one bridge per 10m of substrate.

- 18. (Original) The superconducting article of claim 1, wherein article comprises at least one bridge per 1m of substrate.
- 19. (Original) The superconducting article of claim 12, wherein the conductive bridges are spaced apart generally periodically along a length of the substrate.
- 20. (Original) The superconducting article of claim 1, further comprising at least one conductive shunt layer overlying the superconductor layer.
- 21. (Original) The superconducting article of claim 1, further comprising a biaxially textured layer, over which the superconductor layer is provided.
- 22. (Original) The superconducting article of claim 21, wherein the biaxially textured layer comprises an IBAD layer.
- 23. (Original) The superconducting article of claim 1, wherein the superconductor strips are comprised of a high temperature superconductor.
- 24. (Original) The superconducting article of claim 23, wherein the high temperature superconductor comprises REBa₂Cu₃O_{7-x}, wherein RE is a rare earth element.
- 25. (Original) The superconducting article of claim 24, wherein the superconductor material comprises YBa₂Cu₃O₇.
- 26. (Original) The superconducting article of claim 1, wherein the substrate has a dimension ratio of not less than 10^2 .
- 27. (Original) The superconducting article of claim 1, wherein the substrate has a dimension ratio of not less than 10³.
- 28. (Original) The superconducting article of claim 1, wherein the article is in the form of a superconducting tape.

- 29. (Original) The superconducting article of claim 1, wherein the substrate, the superconductive strips, and the conductive bridges form a superconductive tape, the article comprising a coil having a plurality of superconductive tapes.
- 30. (Original) The superconducting article of claim 1, wherein the article is a power transformer, the power transformer comprising at least a primary winding and a secondary winding, wherein at least one of the primary winding and secondary winding comprises a wound coil of superconductive tape, the superconductive tape comprising said substrate, said superconductor strips, and said conductive bridges.
- 31. (Original) The superconducting article of claim 1, wherein the article is a rotating machine, the rotating machine comprising at least one winding, wherein the at least one winding comprises a superconductive tape formed of said substrate, said superconductor strips, and said conductive bridges.
- 32. (Original) The superconducting article of claim 31, wherein the rotating machine is a power generator or motor.
 - 33. (Canceled)
 - 34. (Canceled)
 - 35. (Canceled)
 - 36. (Canceled)
 - 37. (Canceled)
 - 38. (Canceled)
 - 39. (Canceled)
 - 40. (Canceled)

- 41. (Canceled)
- 42. (Canceled)